



# CML Team

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Company Deck

- **Company Overview**
- **Software Development Services**
- **Portfolio**
- **How Do We Work**

## Company Overview

### Quick Facts



- A team of **senior experts**
- Hackathon **winners**
- 5 stars rating on [clutch.co](https://clutch.co) and [goodfirms.co](https://goodfirms.co)
- Working **experience** on average is **5+ years**
- **100%** of tech staff has **MCA** in Applied Math and Computer Science
- **Most** of our clients choose us for **long-term** projects
- We have **equities** in successful startups we work with



# Technical Competence Areas



**Backend:** Java, Kotlin, Spring Boot, Spring Framework, Node.js, Hibernate

**Frontend:** ReactJS, Vue.js, Angular, JavaScript, TypeScript, HTML5, CSS3

**Mobile:** Flutter, React Native

**Database:** MySQL, PostgreSQL, MongoDB, Firebase, Redshift, Oracle, MSSQL

**Infrastructure:** Tomcat, Weblogic, Glassfish, Apache HTTP Server

**Blockchain:** Ethereum, Solidity, Smart Contracts, including ERC20, ERC721, C++, Oraclize

**Cloud Platforms:** Amazon Web Services, Google Cloud Platform, Microsoft Azure, Heroku

**DevOps:** Docker, Ansible, Rundeck, Kubernetes

**Monitoring:** ELK (Elasticsearch, Logstash, Kibana), Newrelic, Prometheus

**Build:** Gradle, Maven

**IDE:** IntelliJ Idea, Eclipse

**APIs:** Spotify, Twilio, Google Maps, IBM Watson, Microsoft Cognitive Services, Amazon Alexa, Eventful, Micros Opera PMS, HotSos, Telegram, Facebook

## Company Overview

# Founders



### Vladislav Sikach

Has extensive **business development** and quantitative analytics experience from Head of Process Development in one of CIS's leaders in debt collection to IT Business Architect in large Asian bank.



### Oleksandr Shchetynin

Worked in companies of different sizes, from successful startups to Fortune 500 companies, performing **mission-critical responsibilities**, developing and implementing high-tech **IT solutions**.



### Volodymyr Gubarkov

Focused primarily on **backend development** and **infrastructure setup**. Possesses solid object oriented systems design and implementation, system architectures development experience.



### Basil Gorin

Focused primarily on Web3, in particular **distributed ledger** technology, **payments** processing (decentralized and centralized) and **security**. Has strong experience with cryptography and distributed systems.

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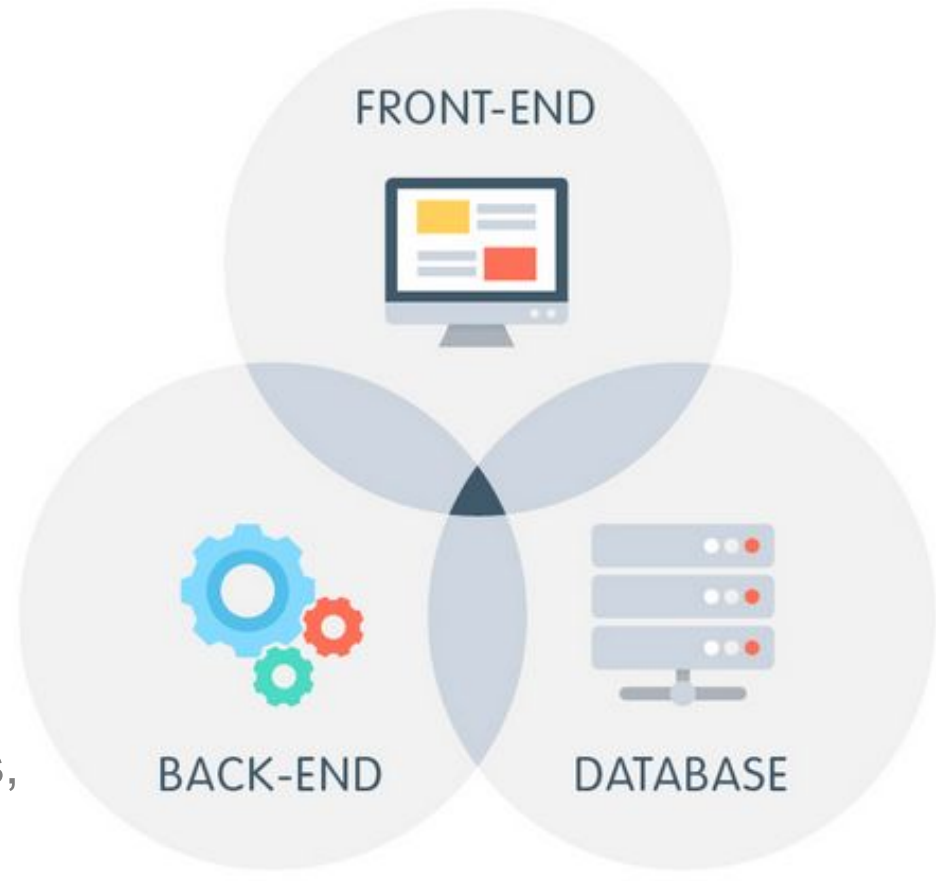


## We Build

- Web apps
- Hybrid mobile apps
- REST APIs
- DApps

## We Use

- Test Driven Development
- Continuous Integration
- Modern programming languages, tools and techniques
- Agile methodology

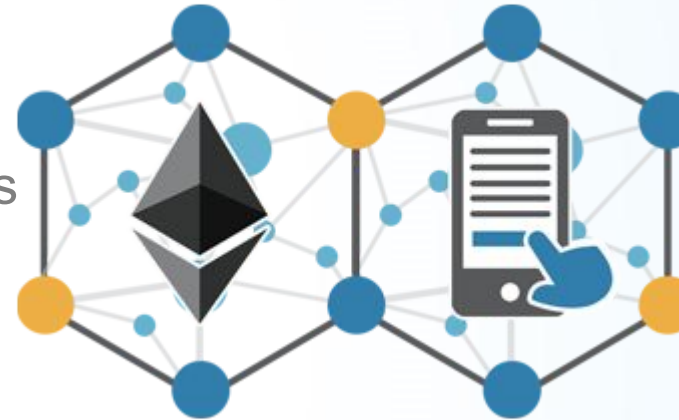


# Software Development Services

## Blockchain Development



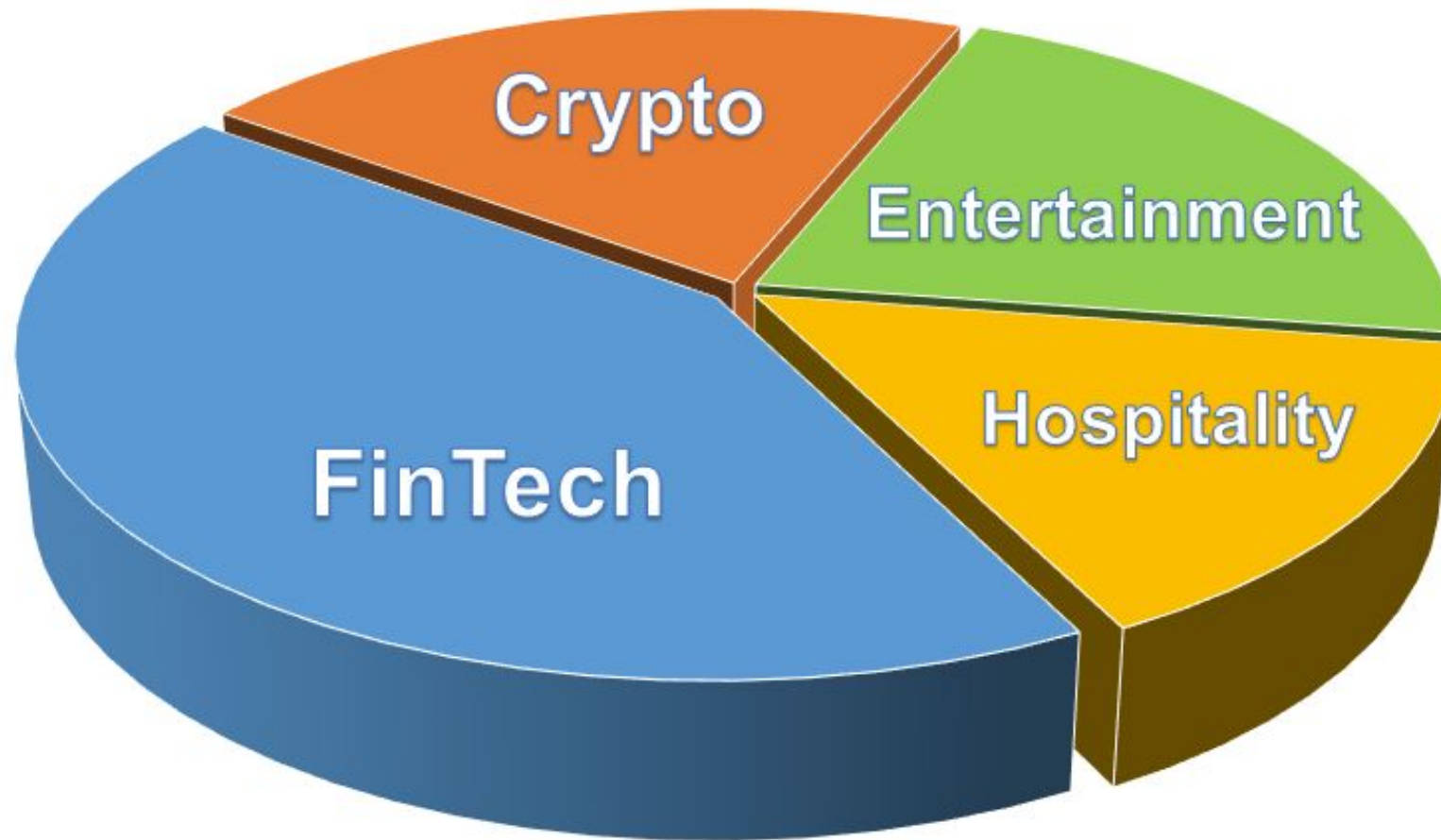
- Smart contracts design, development, audit
- Supply Chains, Wallets Protection
- Private Blockchains
- Distributed ledger development, consensus implementation
- Blockchain integration

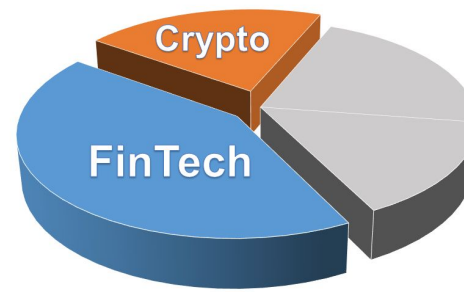


- POC Development
- Hyperledger
- Secure and reliable solutions
- Consulting



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## **Tax Report Management Platform for Crypto Assets**

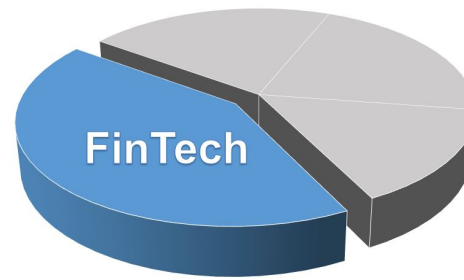
### **Challenge**

Build a B2C web solution ([Cryptotax](#)) that will ease the process of tax reports for crypto asset holders and traders.

### **Solution**

In a matter of few months CML Team provides the Client with a full-functional backend engine, smoothly integrated with rich front-end endpoints. Implemented features include tax report fees calculation for different operations (trades, deposits, withdrawals) as well as coverage of the most frequent crypto assets use cases (stacking, lending, ICO, hard-fork). Application smoothly went live and CML Team continues developing new features for the client as well as maintaining production application and infrastructure.

### **Client's Review**



## **Germany's First Mobile and Commission-free Broker**

### **Challenge**

Implement a back-office application for all the backend systems for the Germany's first mobile and commission-free broker ([Trade Republic](#)).

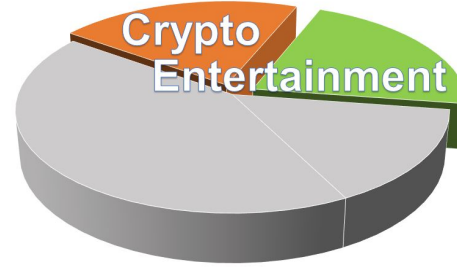
### **Solution**

CML Team participated in implementing the full scope of the project including server side (based on Node.js) and client frontend (based on Vue.js) as well as integrating with all the backend systems (through REST APIs, Websockets, RabbitMQ, etc).

We worked closely with in-house development team on client side to provide seamless integration with all the subsystems.

We delivered many new features to the application in accordance with very dynamically changing business requirements.

### **Client's Review**



### Gaming Distributed Application

#### Challenge

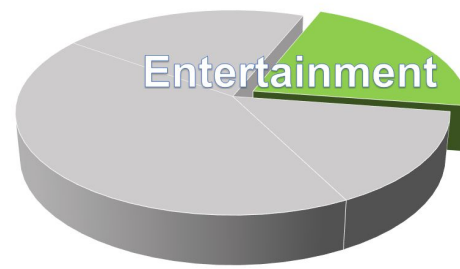
Architecture and technical implementation for the Ethereum based gaming distributed application ([Cryptominer World](#)) held by our client.

#### Solution

We have designed, implemented, tested and deployed a set of smart contracts on Ethereum Blockchain, integrated then with the dApp Web frontend.

The core of the solution is a ERC721 token, representing in game assets. Auxiliary smart contracts include sales, auctions, marketplace.

#### [Client's Review](#)



## **Platform for Managing Entertainment Events in Dubai**

### **Challenge**

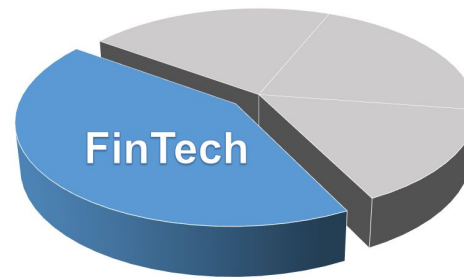
Dubai locals and expats in order to find an interesting nightlife event have to spend significant amounts of time searching for upcoming parties in many sources (several websites and Facebook Events search which do not fully overlap).

### **Solution**

The provided solution allows to gather events from all sources in one place. It performs automatic event addition/update/deactivation/deduplication as well as manual editing/adding by event manager.

Users enjoy the event selection process in one place - Facebook Messenger. FB Chatbot ([PartyBunny](#)) provides a list of events with special offers, detailed description, source links, geo-location and allows to call the venue right away.

### **Client's Review**



## Financial Reporting Application for CFO

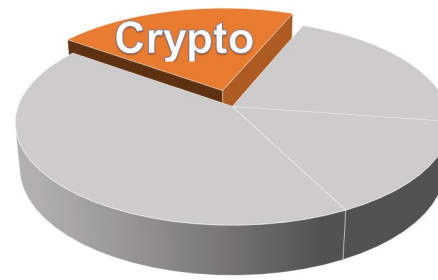
### Challenge

Full Stack development with extensive usage of Google Drive API and Google Sheets Add-on development.

### Solution

CML Team delivered a full-fledged [Financial Tool](#) for CFOs and managers from different verticals of the companies (HR, accounting, etc.).

Using web-app with reach UI CFOs can easily adjust permission levels of various managers to different parts of the data. Each manager can submit changes to the business case using Google Sheets Add-on developed by CML Team. CFO can accept or reject the changes, and rollback to any revision of the business case in past.



### Web3 Solution

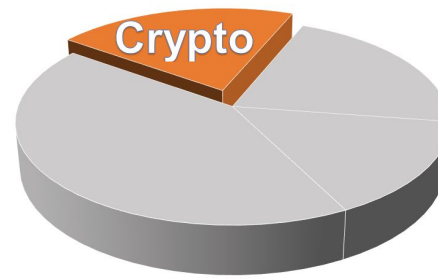
#### Challenge

Develop a post-Snowden (Web3) Solution, featuring distributed ledger for transactions, decentralized storage for data, decentralized messaging protocol for inter-app communication in dark mode.

#### Solution

- A distributed ledger implementation featuring PoA BFT consensus with 5000+ TPS throughput.
- Decentralized storage that leverages the power of erasure coding and allows to fully utilize client bandwidth for data transfer (including 1Gbit links).
- Decentralized messaging protocol with message padding, traffic padding, hidden recipients that enables fast and reliable short message transport capable of handling of 1,000+ users on 100Mbit server links.





## ICO

### Challenge

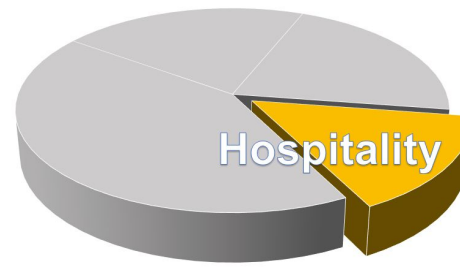
Provide technical implementation for the ICO held by our client Nagritech ([Nagricoin](#)): Smart contracts design and development, backend design and development, dev ops, maintenance, technical and production support.

### Solution

Implemented:

- A set of securely deployed server modules including web part built with PHP/Laravel, Blockchain integration module built with Java/Spring, Ethereum node module.
- A set of smart contracts (Solidity) for the ICO Token and Crowdsale.
- Multisig Wallet smart contract to help our client securely collect funds.

All modules were deployed to AWS, technical maintenance and support were provided during the ICO.



### Real Estate Management Platform

#### Challenge

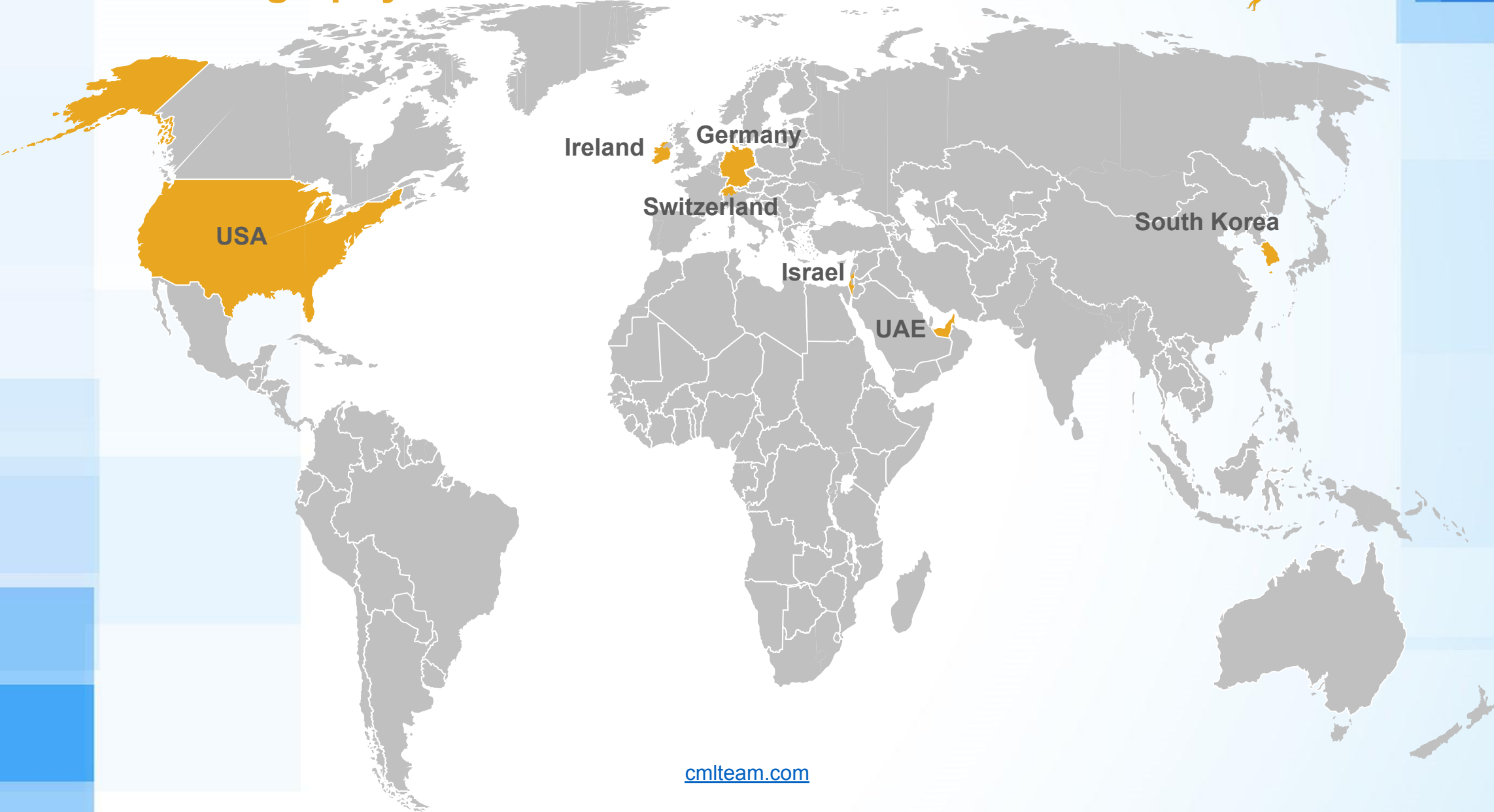
To build a reliable platform that connects both real estate owners and tenants.

#### Solution

Implemented:

- Property Management System (PMS) for property owners.
- Tenant mobile app to submit maintenance tickets, manage payments and communicate with landlord.
- Enriched PMS we've built with support of different workflows and processing logic (including invoicing, agreements' signing, payments etc.).

# Customers Geography

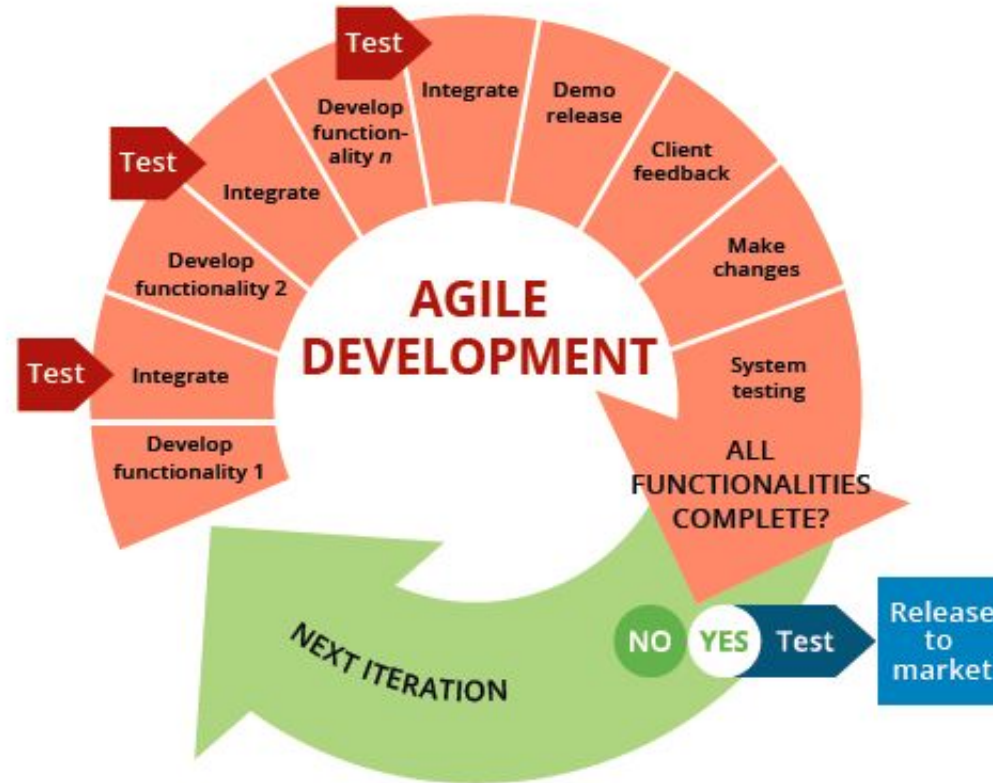


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### Agile

Based on continuous iterations each having its own Design, Development, and Testing Cycle, our Agile process enables to deliver you solutions faster, with less need for detailed documentation, i.e. for less investment costs and with shorter time-to-market.



# How Do We Work

## Pricing Models



### Time & Material

- Enormous flexibility and control over your budget, enabling to manage and change the development process on the go.
- Good for: projects with few or many unknowns and having flexible project scope or for the projects in their maintenance phases.



### Dedicated Team

- Extension of your own team, it gives maximum control but requires more involvement into project management from the customer's part.
- Good for: projects which are constantly innovating and developing and having own project management staff.

# Project Management Tools



### Task Management & Bug Tracking

- Jira
- Trello
- Confluence



### Continuous Integration

- Jenkins
- Bamboo
- Travis CI
- Git
- GitHub



Jenkins



github  
SOCIAL CODING



Travis CI



GitLab



mercurial

### Communication

- Slack
- Telegram
- Skype
- Hangouts
- Emails
- Google Drive



slack



Google Hangouts



Google Drive

zoom



Telegram



## How Do We Work

# Value Proposition



### **CONFIDENCE**

We use only cutting-edge technologies to develop best-in-class solutions for our customers. The use, for instance, of the widespread and efficient Java, Spring Boot, ReactJS enables us to create scalable solutions which can be easily adapted to customers' emerging needs.

### **RESPONSIBILITY**

Driven by the passion our software developers deliver the enormous volume of code, yet producing it of the highest quality and on time.

### **REASONABLE PRICING**

We neither overestimate nor underestimate our skills and experience, our customers always get quality-proven software development services valued for the money they paid.

### **ZERO BUREAUCRACY**

Our compact well-balanced team applies best efforts to eradicate bureaucracy to the ground concentrating all the attention on efficient and productive customer-oriented solutions instead.



# Let's have a call!



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